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## Overlooking the way things are as they are, without being mindful of them, is no different to how horses act

Takahiro Nozaki

The official name of “Kyurizukai,” used as the name of this magazine, is “Kinmo Kyurizukai.” “Kinmo Kyurizukai” is the name of a book by Yukichi Fukuzawa published in 1868, the first scientific reading material in Japan, and the above title is a line from this book. “Kyuri” is what we now call physics, and “kinmo” means to explain things clearly to children or beginners. From the perspective of teachers who have dedicated their whole lives to learning and research, I too am still basically a novice and therefore I

cannot act too self-importantly. However, if I were to say one thing to students, it would be that they should live their lives to the full.

Power electronics is the field that studies the conversion and transmission of electricity. Through electrical power, motors can be rotated, and by skillfully controlling this and applying it in the external environment, changes can be made in the real world. Of course, if nothing is done, nothing will change.

I think things are the same in life. If you eagerly and enthusiastically do your best, focusing intently on your studies and research, I think you will be able to make gradual changes in the real world. If you don't think about anything, don't do anything, and just waste time, nothing will change. Although it may be extreme to say so, if nothing ever changes, it is perhaps not very different from not living at all.

Incidentally, the motto of my laboratory is to “make memories at university and leave footprints in the world.” I sincerely hope that students fully enjoy their university life and time at their research laboratories, and leave proof that they have enjoyed themselves and lived life to the full. I am convinced that their energy will be the source of change in the world. Let's transform the world together with a spirit of *jiga sakko*\*. Make memories at university! Leave footprints in the world!

\**Jiga sakko* (creating history to define the future; also read “ware yori inishie wo nasu”) means to create something new yourself that can become common practice or a model case, without being trapped by what has previously been done. These words were also said by Yukichi Fukuzawa, and shows the determination of Keio students in the early days of Keio University who wished to adopt Western culture at an early stage to contribute to the modernization of Japan. This, together with “*dokuritsu jison* (independence and self-respect),” constitutes the founding philosophy of Keio University.

## Science and Technology Information

### KEIO TECHNO-MALL 2018, 19th Keio Science and Technology Exhibition “beyond imagination: encouraging advances to the future”

KEIO TECHNO-MALL (Keio Science and Technology Exhibition) is an event that showcases the research results of Keio University's Faculty and Graduate School of Science and Technology, and serves as a forum to encounter future collaboration partners in government, industry, and academia for joint research, technology transfer, and

more. With over 100 exhibits centered around demonstrations on display, and short presentations and round-table discussions by researchers, it is the biggest event of its kind at the university with many people from industry, the public sector, and other educational institutions visiting every year.

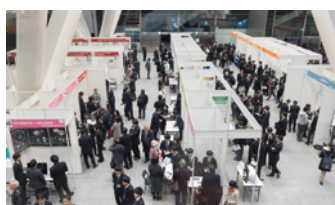
Date and time: December 14, 2018 (Fri.) 10:00–18:00

Venue: Tokyo International Forum, B2F (Hall E2)

Content: An attractive exhibition that emphasizes demonstrations and displays of actual products is planned

Admission is free \* Advance registration is not required for any event.

Details: [www.kll.keio.ac.jp/ktm/](http://www.kll.keio.ac.jp/ktm/)



#### 〈Special interview and talks (planned)〉

##### 1. Special interview

Guest: Katsuo Fukuzawa (Drama and Movie Director, Drama Production Department, TV Production Division, Tokyo Broadcasting System Television, Inc.)

##### 2. Round-table session I

Guest: Shigeki Ishikawa (R&D Academic Advocate, IBM Japan)

Masaya Mori (Executive Officer, Rakuten, Inc.; Global Head, Rakuten Institute of Technology; and Director, Rakuten Life Insurance Technology Laboratory)

Ryo Shimizu (President, GHILIA Co., Ltd.)

##### 3. Round-table session II

Guest: Hiromichi Shinohara (Chairman of the Board, Nippon Telegraph and Telephone Corporation)

Tomomi Nakamura (Representative Director, President and CEO, Subaru Corporation)

#### Editor's postscript

This year marks the 10th anniversary since the publication of this magazine began. On this first issue of the 10th year, we feature Assistant Professor Nozaki, who was still only a university student a decade ago. Nozaki speaks of his dislike for teachers when he was a child and how he never expected to become one himself. Yet in his laboratory, he is approached by many students and has the demeanor of an educator. Although only intending to interview one student about Nozaki, in the end, I heard stories from almost ten members of his laboratory. It was evident from all of them that Nozaki is a teacher who is beloved by his students.

(Izumi Hagiwara)

## 新版 窮理図解

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